

PRINTING DEVICE COMMUNICATION PROTOCOL

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Techniques, systems, and computer program products for transmitting data between a computer system and an external printing device. A technique may include generating a data packet in accordance with a communications protocol such that generating the data packet includes encoding the data packet according to a second layer of the protocol in a frame format according to a third layer of the protocol, transmitting the data packet from the computer system to the external printing device according to the first layer of the protocol; and decoding the data packet in accordance with the second layer of the protocol. The protocol can be defined to include three layers. In that protocol, a first layer may define transmission line, transmitters, and receivers for transmission, the second layer may define encoding and decoding, and the third layer may define a frame format of the data packet.



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